Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air — Second Edition

ADDENDUM

April 15, 1999

The following information pertains to the various methods or other content included the Second Edition of the *Compendium*. This information reports errata, corrections, or other comments that have been received following the publication of the *Compendium* and is provided for the benefit of *Compendium* users. This file will be updated as additional information is received; however, ***the contents of this file should, in no way, be interpreted as a complete or exhaustive documentation of errors or deficiencies of the* Compendium *methods***. Method users are encouraged to report errors, comments, or information that may be of benefit to other method users for reporting in this file. Such information should be reported in written form to Frank McElroy at **mcelroy.frank@epamail.epa.gov** (fax # 919-541-1153).

Comments from Dr. Robert Lewis, EPA, (**lewis.bob-dr@epamail.epa.gov**) 3/29/99:

There are some notable omissions in the applicability of *Compendium* methods to the table of CA "189" HAPs [see Table 2 in the Project Summary]. For example, TO-4A is not shown to apply to many pesticides, whereas it does apply to almost all the ones that TO-10A does; *e.g*., captan, *carbaryl*, 2,4-D, heptachlor, hexachlorobenzene, lindane, methoxychlor, *parathion*, PCBs, propoxur, toxaphene, and trifluralin (note that two of these -- in italics -- are not shown for either method). These methods have been long validated for these compounds, even if the TO methods don't say so. The validations are published in journal articles and ASTM standards.

Note also that TO-11A is *not* applicable for acrolein. TO-11 was corrected when the ASTM and ISO methods were written, but TO-11A failed to include that correction.

Note also that TO-13A is not good for naphthalene at all with PUF and only marginally with XAD.

Note that dibenzofurans (assuming we are referring to halognated ones) are covered by TO-9A.

Finally, if 2,4,6-trichlorophenol (2,4,6-TCP) can be done by TO-10A, it stands to reason that 2,4,5-TCP can too. TCPs and dichlorvos, however, are too volatile for TO-4A.

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